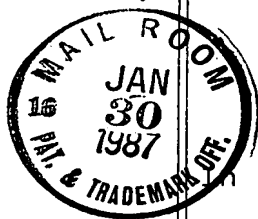


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PATENTS
Case 25900



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

2

R. Thomas

6/1/87

In re Application of :
NELSON, P., et al. :
Serial No. Not Yet Known : Group Art Unit Not Yet Known
Filed Together Herewith : Examiner Not yet Known
For MORPHOLINOETHYLESTER OF MYCOPHENOLIC ACID AND DERIVATIVES
THEREOF

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

INFORMATION DISCLOSURE STATEMENT (37 CFR 1.97 & 1.98)

As identified in the attached "Information Disclosure Citation", transmitted herewith are copies of certain patents, publications, and/or other information of interest with respect to the above-identified application. Following is a brief explanation of the relevance of the listed items that are not discussed in the Specification.

U.S. PATENT DOCUMENTS

AA 3,705,894 (1972) Gerzon, et al.

This patent, entitled "Mycophenolic Acid Derivatives" describes the parparation of derivatives of mycophenolic acid obtained by modification of the hydroxyl and carboxyl groups, and their use as anti-viral agents; it is referenced in the Background Information section of the above-identified Specification.

AB 3,777,020 (1973) Johnson

This patent, entitled "Psoriasis Treatment With Mycophenolic Acid" describes mycophenolic acid or its β -D-glucuronide in the treatment of psoriasis.

AC 3,825,571 (1974) Mori, et al.

This patent, entitled "Mycophenolic Acid Derivatives" describes the parparation of carbamoyl ester derivatives of mycophenolic acid, and their use as anti-cancer agents.

AD 3,853,919 (1974) Mori, et al.

This patent, entitled "Mycophenolic Acid Derivatives" describes the parparation of carbamoyl ester derivatives of mycophenolic acid, and their use as anti-cancer agents; it is referenced in the Background Information section of the above-identified Specification.

AE 3,868,454 (1975) Johnson

This patent, entitled "Psoriasis Treatment With Mycophenolic Acid Derivatives" describes known mycophenolic acid derivatives for the treatment of psoriasis; it is referenced in the Background Information section of the above-identified Specification.

AF 3,880,995 (1975) Jones

This patent, entitled "Treatment Of Arthritis With Mycophenolic Acid And Derivatives" describes mycophenolic acid or its glucuronide as an agent for treating inflammatory arthritis; it is referenced in the Background Information section of the above-identified Specification.

AG 3,903,071 (1975) Holmes

This patent, entitled "Mycophenolic Acid Derivatives" describes the parparation of sugar derivatives of mycophenolic acid useful in the treatment of gout and psoriasis.

FOREIGN PATENT DOCUMENTS

AH 1,261,060 (1972) Great Britain

This patent, entitled "Phthalen-1-one Derivatives" describes the reduction of mycophenolic acid to a compound having anti-tumor and immunosuppressive activity.

AI 1,157,100 (1969) Great Britain

This patent, entitled "Pharmaceutical Composition" describes mycophenolic acid and to esters of said acid, compounds having anti-tumor and immunosuppressive activity.

AJ 2,117,238 (1983) Great Britain

This patent, entitled "Pharmaceuutical compositions having antiinflammatory, analgesic, antipyretic and gastroprotective activity" describes the β -morpholinoethyl ester of niflumic acid.

AK 73 86,860 (1973) Japan

This patent, according to the attached abstract CA 80 59722s (1974), describes esters of mycophenolic acid for use as anti-cancer agents.

AL 73 86,861 (1973) Japan

This patent, according to the attached abstract CA 80 120748y (1974), describes esters of mycophenolic acid for use as anti-cancer agents.

AM 57 024,380 (1982) Japan

This patent, according to the attached abstract CA 96 199422z (1982), describes the preparation of carbamoyl esters of mycophenolic acid for use as antibiotic agents; it is referenced in the Background Information section of the above-identified Specification.

AN 57 183,776 (1982) Japan

This patent, according to the attached abstract CA 98 143262w (1983), describes the preparation of carbamoyl esters of mycophenolic acid and discloses their use as anti-cancer agents and immunosuppresants.

AO 57 183,777 (1982) Japan

This patent, according to the attached abstract CA 98 198004u (1983), describes the preparation of the same compounds as in AN via a different route.

OTHER DOCUMENTS

AP "Antitumor Activity Of Derivatives Of Mycophenolic Acid", Suzuki, et al., J. Antibiotics, 29(3), 275-285, 1975.

This article describes the testing of derivatives of mycophenolic acid, modified at both the hydoroxy and carboxyl group, as anti-cancer agents; it is referenced in the Background Information section of the above-identified Specification.

AQ "Carbamoyl Mycophenolic Acid Ethylester, An Oral
Antitumor Agent", Suzuki, et al., J. Antibiotics, 29(3),
286-291, 1975.

This article describes the testing of derivatives of mycophenolic acid, modified at both the hydroxyl and carboxyl group, as anti-cancer agents.

AR "Antitumor and Immunosuppressive Effects of Mycophenolic
Acid", Ohsugi, et al., Cancer Research, 36, 2923-2927, 1976.

This article describes the testing of mycophenolic acid for anti-tumor activity; it is referenced in the Background Information section of the above-identified Specification.

AS "A gastroprotective anti-inflammatory agent: the
 β -morpholinoethyl ester of niflumic acid (morniflumate)",
Schiantarelli, et al., Agents and Actions, 14(2), 1984.

This article discusses the bioavailability and pharmacokinetics of 3-pyridinecarboxylic acid, 2-[[3-(trifluoromethyl)phenyl]amino] 2-(4-morpholinylethyl) ester (CAS-65847-85-0).

Respectfully submitted,



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